

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	7744	nozzle adj arrangement	US-PGPUB; USPAT	OR	ON	2008/09/29 14:29
S2	77	nozzle adj arrangement and slot and even adj flow	US-PGPUB; USPAT	OR	ON	2008/09/29 14:33
S3	888	134/198.ccls.	US-PGPUB; USPAT	OR	ON	2008/09/29 14:33
S9	10408	nozzle and plastic and metal and slot and even and flow	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/09/30 15:49
S10	11423	nozzle and plastic and metal and slot and even and flow	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/09/30 15:50
S11	974	plastic adj nozzle	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/09/30 15:57
S12	3	plastic adj nozzle and fluid adj treatment	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2008/09/30 15:57
S13	3	"6250318" and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:40
S14	1	"1971376" and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:40
S15	873	semi-conductor and wash and device	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:42
S16	173	semi-conductor and wash and device and nozzle and fluid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:42
S17	176	(semi-conductor or semi adj conductor) and wash and device and nozzle and fluid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:42
S18	2	"6824751"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:52

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S19	9		"1398004"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:52
S20	20		"5334352"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:53
S21	23	( "1971346"   "3212719"   "4132363"   "4466574 "   "4789405"   "4846202"   "5334352"   "554024 7"   "5850841"   "6250318" ).PN.		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 14:54
S22	770		b05b1/20	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 15:00
S23	14	b05b1/20 and plastic and metal		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/15 15:00
S24	2157	semi-conductor cleaning apparatus		US-PGPUB; USPAT	AND	ON	2008/10/20 18:30
S25	505	semi-conductor cleaning apparatus and plurality and nozzle		US-PGPUB; USPAT	AND	ON	2008/10/20 18:30
S26	322	semi-conductor cleaning apparatus and plurality and nozzle and metal and plastic		US-PGPUB; USPAT	AND	ON	2008/10/20 18:30
S27	328	(semi-conductor or semi adj conductor) cleaning apparatus and plurality and nozzle and metal and plastic		US-PGPUB; USPAT	AND	ON	2008/10/20 18:32
S28	382	(semi-conductor or semi adj conductor) (cleaning or clean or cleaner) and apparatus and plurality and nozzle and metal and plastic		US-PGPUB; USPAT	AND	ON	2008/10/20 18:32
S29	9	(semi-conductor or semi adj conductor) (cleaning or clean or cleaner) and apparatus and plurality and nozzle and metal and plastic		USOCR; EPO; JPO; DERWENT	AND	ON	2008/10/20 18:39
S30	37	semi-conductor and wash and device and nozzle and fluid and clean and plastic and metal		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/23 11:19
S31	95		134/86.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/23 11:20
S32	1180	"134" and plastic and metal and (semi-conductor or semi adj conductor)		US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/23 11:31

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S33	569	"134" and plastic and metal and (semi-conductor or semi adj conductor) and (clean or wash or rinse or clean\$ or wash\$3 or rins\$3) and fluid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/23 11:32
S34	583	"134" and plastic and metal and (semi-conductor or semi adj conductor) and (clean or wash or rinse or clean\$3 or wash\$3 or rins\$3) and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 11:35
S35	1484	134/198.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 11:44
S36	9371	239/548-568.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 13:55
S37	7703	239/589-601.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 13:55
S38	195	(plastic\$4 or synthetic or polymeric\$4 or molded or moulded or polymer or resin\$4 or polypropylene) and ("134".clas. or "239". clas.) and (semi-conductor or semi adj conductor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 14:09
S39	10	"1187515"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 14:19
S41	1778	"134" and plastic and metal and (printed adj circuit adj board) and (clean or wash or rinse or clean\$ or wash\$3 or rins\$3) and fluid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:02
S42	3055	(printed adj circuit adj board) and wash and device	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:03
S43	2129	239/548-550.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:07
S44	981	239/548.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:07

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S45	38636	"239" and nozzle	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:07
S46	473	"239" and nozzle and printed adj circuit adj board	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:07
S47	288	"239" and nozzle and printed adj circuit adj board and fluid	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2008/10/23 15:08
S48	319	134/72.ccls.	US-PGPUB; USPAT	OR	ON	2008/10/24 13:40
S49	487	134/72.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2008/10/24 13:40
S53	2529	"134" and metal and (printed adj circuit adj board) and (clean or wash or rinse or clean\$ or wash\$3 or rins\$3) and fluid	US-PGPUB; USPAT	OR	ON	2009/01/21 19:19
S54	1904	"134" and metal and (printed adj circuit adj board) and (clean or wash or rinse or clean\$ or wash\$3 or rins\$3) and fluid and (support or stiffen\$4)	US-PGPUB; USPAT	OR	ON	2009/01/21 19:19
S56	24	metal adj bracket and parallelepiped	US-PGPUB; USPAT	OR	OFF	2009/01/22 10:57
S57	579	metal near (bracket or support or stiff\$5) and (parallelepiped or rectangular) and nozzle	US-PGPUB; USPAT	OR	OFF	2009/01/22 11:02
S58	287	metal near (bracket or support or stiff\$5) and (parallelepiped or rectangular) and nozzle and fluid	US-PGPUB; USPAT	OR	OFF	2009/01/22 11:08
S59	6	metal near (bracket or support or stiff\$5) and (parallelepiped or rectangular) and nozzle and fluid and "134".clas.	US-PGPUB; USPAT	OR	OFF	2009/01/22 11:13
S60	54	("2489097"   "2822635"   "3328997"   "3344729"   "3358980"   "3502563"   "3509851"   "3561163"   "3682185"   "3687145"   "3734109"   "3871914"   "3871982"   "3962060"   "4162955").PN. OR ("4270317").URPN.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/22 11:14
S61	29	S60 and metal	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/22 11:14
S62	0	("2006/0102213").URPN.	USPAT	OR	OFF	2009/01/22 11:16
S63	38660	nozzle and metal	EPO; JPO; DERWENT	OR	OFF	2009/01/22 11:16

## EAST Search History (Prior Art)

S64	43	nozzle near metal and (support or bracket)	EPO; JPO; DERWENT	OR	OFF	2009/01/22 11:17
S65	77	nozzle same metal near member	EPO; JPO; DERWENT	OR	OFF	2009/01/22 11:21
S68	1053	metal same support same member same nozzle same fluid	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/22 11:33
S69	44	metal same support same member same nozzle same fluid and "134".clas.	US-PGPUB; USPAT; USOCR	OR	OFF	2009/01/22 11:33
S70	0	final adj rejection and laundry near modul\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/22 16:04
S76	1696	(narrowing or narrowed or t-shape or countersinking or countersink) same (fluid or flow or passage or channel or pipe)and nozzle and fluid and housing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/01/27 11:04
S77	1683	(narrowing or narrowed or t-shape or countersinking or countersink) same (fluid or flow or passage or channel or pipe)and nozzle and fluid and housing	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 11:04
S78	101	(narrowing or narrowed or t-shape or countersinking or countersink) same (fluid or flow or passage or channel or pipe) same nozzle same fluid same housing	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 11:05
S79	39	("1414605" "1423844" "1679561" "1817644  "1841414" "1910235" "2142947" "272340 7" "3199957" "3599267" "3748678" "41542 58" "4461052" "4581785" "4780922" "4780 992" "5146642" "5235717" "5301472" "598 7622" "0518352" "6068204" "6582668" "65 94843" "6792639" "6814306" "7011254" "0 843377").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 11:05
S80	344	(c-shaped or u-shaped or c-shape or u-shape) near (bracket or((support\$3 or stiff\$5) near (member or bracket))) and (housing near (parallelepiped or boxed or box-shaped or box-shape or cube or cubed or cubic or rectang\$4))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 14:27
S81	20	(c-shaped or u-shaped or c-shape or u-shape) near (bracket or((support\$3 or stiff\$5) near (member or bracket))) and (housing near (parallelepiped or boxed or box-shaped or box-shape or cube or cubed or cubic or rectang\$4)) and nozzle	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 14:31
S82	675	nozzle same (parallelepiped or box\$6 or rectang\$4 or cub\$2) near housing	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 14:47

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S83	1031	nozzle same ((parallelepiped or box\$6 or rectang\$4 or cub\$2) near (housing or casing))	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 14:47
S84	325	nozzle same (parallelepiped or box\$6 or rectang\$4 or cub\$2) near housing and fluid	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 14:48
S85	151	nozzle same (c-shaped or u-shaped or u-shape or c-shape) near (support\$3 or stiffen\$4 or reinforc\$3) and fluid	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 14:54
S86	44	nozzle same (c-shaped or u-shaped or u-shape or c-shape) near (support\$3 or stiffen\$4 or reinforc\$3) and fluid and box	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:01
S87	56	nozzle same (c-shaped or u-shaped or u-shape or c-shape) near (support\$3 or stiffen\$4 or reinforc\$3) and fluid and housing	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:01
S88	1462	(c-shaped or u-shaped or u-shape or c-shape) near (support\$3 or stiffen\$4 or reinforc\$3) and fluid and housing	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:02
S89	15	(c-shaped or u-shaped or u-shape or c-shape) near (support\$3 or stiffen\$4 or reinforc\$3) and fluid and (plastic near1 housing)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:02
S90	15	(support\$3 or stiffen\$4 or reinforc\$3) near (c-shaped or u-shaped or u-shape or c-shape) and fluid and (plastic near1 housing)	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:03
S91	2467	nozzle with (c-shaped or u-shaped or u-shape or c-shape) and fluid	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:13
S92	669	nozzle near5(c-shaped or u-shaped or u-shape or c-shape) and fluid	US-PGPUB; USPAT; USOCR	OR	ON	2009/01/27 15:13
S93	0	99/56891	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/01/28 19:49
S94	3	"9956891"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/01/28 19:50
S95	6	"6250318"	US-PGPUB; USPAT	OR	ON	2009/06/22 11:22
S96	24	("0535669"   "3010692"   "3421211"   "3868272"   "4073663"   "4085171"   "4766916"   "4805649"   "4919336"   "5095930"   "5103846"   "5293888"   "5334352"   "5614264"   "5660196"   "5843516"   "5850841").PN. OR ("6250318").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2009/06/22 11:23

## EAST Search History (Prior Art)

S97	1086	(plastic\$4 or synthetic or polymeric\$4 or molded or moulded or polymer or resin\$4 or polypropylene) and ("134".clas. or "239". clas.) and (printed and circuit and board)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2009/06/22 11:25
S98	34101	(plastic\$4 or synthetic or polymeric\$4 or molded or moulded or polymer or resin\$4 or polypropylene) and (printed and circuit and board)	EPO; JPO; DERWENT	OR	ON	2009/06/22 11:35
S99	323	(plastic\$4 or synthetic or polymeric\$4 or molded or moulded or polymer or resin\$4 or polypropylene) and (printed and circuit and board) and (nozzle)	EPO; JPO; DERWENT	OR	ON	2009/06/22 11:35
S10 0	328	(plastic\$4 or synthetic or polymeric\$4 or molded or moulded or polymer or resin\$4 or polypropylene) and (printed and circuit and board) and (nozzle)	EPO; JPO; DERWENT	OR	ON	2009/08/21 20:52
S10 1	15	(c-shaped or u-shaped or u-shape or c-shape) near (support\$3 or stiffen\$4 or reinforc\$3) and fluid and (plastic near1 housing)	US-PGPUB; USPAT; USOCR	OR	ON	2009/08/21 21:12
S10 2	98	nozzle adj arrangement and slot and even adj flow	US-PGPUB; USPAT	OR	ON	2009/08/21 21:13
S10 3	3	plastic adj nozzle and fluid adj treatment	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2009/08/21 21:13
S10 4	44	semi-conductor and wash and device and nozzle and fluid and clean and plastic and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/21 21:13
S10 5	16	b05b1/20 and plastic and metal	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2009/08/21 21:13